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TITLE : ALUMINUM CLAD MATERIAL FOR HEAT EXCHANGER

ABSTRACT : PURPOSE: To improve the strength, brazability, and corrosion resistance of an aluminum clad material for heat exchanger used for a tube material for heat exchanger made of aluminum, particularly radiator made of aluminum.

CONSTITUTION: One side of an aluminum alloy core material which has a composition consisting of 0.3-1.5% Mn, 0.2-0.9% Cu, 0.2-0.5% Mg, 0.2-1.0% Si, 0.10-0.7% Fe, 0.10-0.3% Ti, and the balance Al with inevitable impurities or further containing 0.05-0.2% Zr and/or 0.05-0.2% Cr is clad with an aluminum alloy cladding material having a composition consisting of 0.3-2.0% Zn, 0.2-1.0% Mg, and the balance Al with inevitable impurities, and further, the other side is clad with an Al-Si alloy brazing filler metal.

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